

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|--|--|---|
| Applicant's or agent's file reference H2305 PCT S3 | FOR FURTHER ACTION | |
| | see Form PCT/ISA/220 as well as, where applicable, item 5 below. | |
| International application No. PCT/EP2004/010484 | International filing date (<i>day/month/year</i>) 17/09/2004 | (Earliest) Priority Date (<i>day/month/year</i>) 17/09/2003 |
| Applicant AMYNON BIOTECH GMBH | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report.

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box II).

3. **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b. none of the figures is to be published with the abstract.

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International application No.

PCT/EP2004/010484

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the international application as filed
 - filed together with the international application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

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International Application No

PCT/EP2004/010484

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01N33/569 C07K16/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | <p>SELVEY L A ET AL: "AN ELISA CAPTURE ASSAY FOR THE E7 TRANSFORMING PROTEINS OF HPV16 AND HPV18" <i>JOURNAL OF VIROLOGICAL METHODS</i>, AMSTERDAM, NL, vol. 37, no. 2, 1992, pages 119-127, XP001091302 ISSN: 0166-0934 the whole document</p> <p style="text-align: center;">-/-</p> | 1-38 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

28/12/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/010484

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | <p>SEEDORF K ET AL: "IDENTIFICATION OF EARLY PROTEINS OF THE HUMAN PAPILLOMA VIRUSES TYPE 16 (HPV 16) AND TYPE 18 (HPV 18) IN CERVICAL CARCINOMA CELLS" EMBO JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 6, no. 1, 1987, pages 139-144, XP001021907 ISSN: 0261-4189 the whole document</p> <p>-----</p> <p>CHRISTENSEN N D ET AL: "SURFACE CONFORMATIONAL AND LINEAR EPITOPIES ON HPV-16 AND HPV-18 L1 VIRUS-LIKE PARTICLES AS DEFINED BY MONOCLONAL ANTIBODIES" VIROLOGY, ACADEMIC PRESS, ORLANDO, US, vol. 223, 1996, pages 174-184, XP002946727 ISSN: 0042-6822 the whole document</p> <p>-----</p> <p>US 6 013 258 A (HEDLEY MARY LYNNE ET AL) 11 January 2000 (2000-01-11) the whole document</p> <p>-----</p> | 1-38 |
| A | | 1-38 |
| A | | 1-38 |

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Information on patent family members

International Application No

PCT/EP2004/010484

| Patent document cited in search report | Publication date | Patent family member(s) | | Publication date |
|--|------------------|-------------------------|--------------|------------------|
| US 6013258 | A 11-01-2000 | AU | 746644 B2 | 02-05-2002 |
| | | AU | 9799298 A | 03-05-1999 |
| | | CA | 2305683 A1 | 22-04-1999 |
| | | EP | 1021202 A1 | 26-07-2000 |
| | | JP | 2001519177 T | 23-10-2001 |
| | | WO | 9918995 A1 | 22-04-1999 |